San Telequip (P) Ltd.,
4 Crystal House, 235, Navi Peth
Off LBS Road, Pune 411 030, India
Phone : 91-20- 24320023, 24334423, 65001587
email : info@santelequip.com

SAN TELEQUIP
Connecting. Converting. Leading !

Document Name : User Manual for SC12FEI_TD Industrial Ethernet media converter

SC12FEI is a 10/100Base TX Industrial Ethernet Media converter. It can satisfy your requirement for long distance and high speed data connectivity. SC12FEI has IP30 protection, rugged high-strength metal case, Power supply input (12V~36VDC), 0 to 75℃ working temperature and more.

Packing list

Before you start to install the converter, please verify that the package contains the following:

1. Ethernet switch SC12FEI (plus terminal block)
2. User manual
3. Warranty Certificate
4. DIN rail setting fittings (Wall mounting for optional)

Features

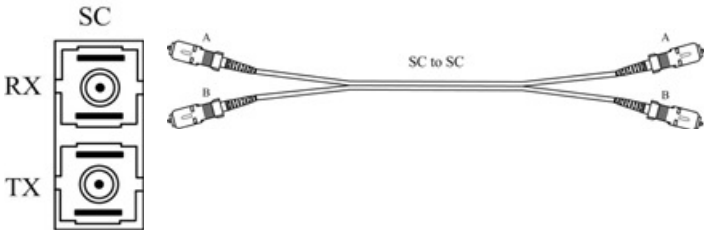
- Auto Detect 10M/100M, MDI / MDI-X
- Power supply input : 24V DC. Range 12V~36VDC
- The 10/100BaseT(X) port is located on SC12FEI front panel to be connected by UTP or STP cables, distance not more than 100m.
- MDI / MDI-X operation means SC12FE1 can connect to PC, Server, Converter, HUB etc.

The RJ45 PIN details are as in the table as below.

Pin	MDI signal	MDI-X Signal
1	TX+	RX+
2	TX-	RX-
3	RX+	TX+
6	RX-	TX-
4,5,7,8	-	-

Note:
"TX±" : Transmit data ±,
"RX±" : Receive data ±,
"-" : not used
MDI : Straight- through cable
MDI-X : Cross cable

100BaseFX port



100Base FX, can be SM or MM port and can be SC/ST/FC type.
The fiber port must be used in pair, TX (transmit) port will connect to remote devices RX (receive) port; RX (receive) port will connect to remote device's TX (transmit) port.

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LED indicator

LED	Indicate	Description
PWR (Green)	ON	Power supply ON
	OFF	Power supply OFF
FLINK (Optic port indicator)	ON	Connect
	OFF	Not connected
	Blink	Data transfer
10M/100M (Yellow)	ON	100Base-TX
	OFF	10Base-T
Link/ACT (Green)	ON	Network connected
	Glitter	Network communication
	OFF	No network connected

Installation

Insert the top of the DIN-Rail into the slot just below the stiff metal spring.
The DIN-Rail attachment will insert into place.

Power

SC12FEI_TD has Industrial terminal connectors (V-, FG, V+). V- and V+ is for 12VDC～36VDC input and FG.

Specification

Interface

Standard : IEEE802.3 series 10Base-T/100Base-TX, 100Base-FX
RJ45 port : Auto 10Base-T/100Base-TX, Auto Full duplex/half duplex or Force negotiation
: Support Auto MDI/MDI-X, 1000V electromagnetism isolation

Fiber Optic port : 100Base-FX, SC/ST optional,
: Support single mode (20/40/60/80Km optional),
: Multi mode (2/5 Km optional)
: Wavelength: 1310nm

Power supply : 24VDC power supply input (12VDC~36VDC, 3 terminal block)
: Reverse Polarity Protected

Mechanical

Dimensions : 103mm X 78mm X 32mm (H X W X D)
Casing : IP30 protection, Metal case
Installation : DIN-Rail, Wall Mounting
Weight : 350g

Environment

Operating Temperature : 0 to 75℃ (-35℃ to 75℃ optional)
Storage Temperature : -45℃ to 85℃
Ambient Relative Humidity : 10 to 95% (non- condensing)

```
ERROR: stackunderflow
OFFENDING COMMAND: ~

STACK:
```